

From: "Vickstrom, Kyle E." <vickstromke@cdmsmith.com>
To: "Scott Coffey" <coffeyse@cdmsmith.com>
"John Kern" (b) (6)
CC: "Zhen, Davis" <Zhen.Davis@epa.gov>
"Sheldrake, Sean" <sheldrake.sean@epa.gov>
Date: 5/25/2018 1:32:18 PM
Subject: RE: FSP Addendum Re-Randomization Upriver Sediment Sampling.

Hi John,

I've conducted an initial review of the FSP addendum for upriver sampling and wanted to bring to your attention the following items that I identified as potentially problematic:

- In Figure 2, there does not appear to be a significant difference between percent fines for the "soft" and "medium" bottom hardness conditions based on the BioSonar data
 - I'd like to see a statistical evaluation
 - By eliminating the "medium" bottom conditions from consideration when placing the randomly generated points they reduce their "non-excluded areas" footprint by 20% (Table 2)
- Maximum 100-300 ft radius is too large when generating a three-point composite sample. They should stick within a 50 ft radius to remain consistent with site sediment sample collection
 - Rather than larger radius we should propose Alt 1/Alt 2 strategy
- Minimum acceptable field recovery for a "composite" sample is one successful grab attempt with at least 4-cm recovery
 - We should set the bar higher for what is an acceptable minimum sample

Let me know if you have any questions, and enjoy the long weekend.

Thanks,
Kyle

From: Coffey, Scott
Sent: Wednesday, May 23, 2018 5:43 PM
To: John Kern (b) (6)
Cc: Vickstrom, Kyle E. <vickstromke@cdmsmith.com>; Zhen, Davis <Zhen.Davis@epa.gov>; Sheldrake, Sean <sheldrake.sean@epa.gov>
Subject: FW: FSP Addendum Re-Randomization Upriver Sediment Sampling.

Hi John.

Please review and provide comments on this FSP addendum on the Re-Randomized Upriver sediment sampling locations.

Kyle will be looking this over, but only has time for a preliminary review as he will be beginning a tour of oversight duty right after the holiday. He will share his prelim thoughts for your consideration.

We'll probably need to get back a response on this document soon after the holiday weekend (no later than Wednesday) as I'm estimating they will be starting to run out of primary sediment locations within the Site. Hope you can squeeze it in.

Let me know if you have questions.
Thanks!
Scott

From: Tyrrell, Ken <ken.tyrrell@aecom.com>
Sent: Wednesday, May 23, 2018 3:27 PM
To: Zhen, Davis <Zhen.Davis@epa.gov>

Cc: Coffey, Scott <CoffeySE@cdmsmith.com>; Vickstrom, Kyle E. <vickstromke@cdmsmith.com>
Subject: FSP Addendum Re-Randomization Upriver Sediment Sampling.

Davis

Attached are two files that comprise the Surface Sediment FSP for Re-Randomization. The first attached file is the Word document while the second file is the figures.

The files are modest in size so they should transmit without a problem, but the files have also been uploaded to the SharePoint site.

As we've discussed, a prompt response is important to assist in planning for the field work. We are available to discuss in a conference call or in-person as appropriate.

Ken Tyrrell

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